

PROJECT-2- WEBSITE ORCHESTRATION

The image displays two screenshots of the AWS Management Console, specifically the VPC (Virtual Private Cloud) console, for the VPC ID `vpc-0402342be238999a0` in the `us-east-1` region.

Top Screenshot: VPC Details

The top screenshot shows the 'Details' tab for the VPC. The VPC is named `venki-project2-vpc-vpc` and is in the `Available` state. Key details include:

- VPC ID:** `vpc-0402342be238999a0`
- State:** Available
- Tenancy:** Default
- Default VPC:** No
- DHCP option set:** `dopt-0f2c70f2e75913d60`
- IPv4 CIDR:** `10.0.0.0/16`
- DNS hostnames:** Enabled
- DNS resolution:** Enabled
- Main route table:** `rtb-02c12eed8bd2be93c`
- Main network ACL:** `acl-02ed3270b34d54231`
- Owner ID:** `058264317646`

Bottom Screenshot: Resource Map

The bottom screenshot shows the 'Resource map' tab, which provides a visual overview of the VPC's components and their connections. The map includes:

- VPC:** `venki-project2-vpc-vpc`
- Subnets (6):** Subnets within this VPC, categorized by availability zone:
 - us-east-1a:** `venki-project2-vpc-subnet-public1...`, `venki-project2-vpc-subnet-private...`
 - us-east-1b:** `venki-project2-vpc-subnet-public2...`, `venki-project2-vpc-subnet-private...`
 - us-east-1c:** `venki-project2-vpc-subnet-public3...`, `venki-project2-vpc-subnet-private...`
- Route tables (5):** Route network traffic to resources:
 - `rtb-02c12eed8bd2be93c` (Main route table)
 - `venki-project2-vpc-rtb-public`
 - `venki-project2-vpc-rtb-private2-us-e...`
 - `venki-project2-vpc-rtb-private1-us-e...`
 - `venki-project2-vpc-rtb-private3-us-e...`

Project 2 - Website Orchestrati... VpcDetails | VPC Console RDS | us-east-1 Environment overview - event... Home | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-0402342be23899a0

Filter by VPC

Virtual private cloud

- Your VPCs
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs

Resource map

Subnets (6)

Subnets within this VPC

- us-east-1a
 - venki-project2-vpc-subnet-public1...
 - venki-project2-vpc-subnet-private...
- us-east-1b
 - venki-project2-vpc-subnet-public2...
 - venki-project2-vpc-subnet-private...
- us-east-1c
 - venki-project2-vpc-subnet-public3...
 - venki-project2-vpc-subnet-private...

Route tables (5)

Route network traffic to resources

- rtb-02c12eed8bd2be93c
 - venki-project2-vpc-rtb-public
 - venki-project2-vpc-rtb-private2-us-e...
 - venki-project2-vpc-rtb-private1-us-e...
 - venki-project2-vpc-rtb-private3-us-e...

Network connections (2)

Connections to other networks

- venki-project2-vpc-igw
- venki-project2-vpc-vpc-s3

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https://us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databaseid=bgd-852xk7lc5zyderdis-maintenance=true

Amazon RDS

- Dashboard
- Databases
- Query Editor
- Performance insights
- Snapshots
- Exports in Amazon S3
- Automated backups
- Reserved instances
- Proxies
- Subnet groups
- Parameter groups
- Option groups
- Custom engine versions
- Zero-ETL integrations [New](#)

RDS > Databases > venki-project2-db > venki-project2-db-blue-green-deployment-identifier

venki-project2-db-blue-green-deployment-identifier

Modify Actions

Related

Filter by databases

DB identifier	Status	Role	Engine	Region & A
venki-project2-db Blue	Available	Primary	MySQL Community	us-east-1b
venki-project2-db-blue-green-deployment-identifier	Available	Blue/Green Deployment	-	-
venki-project2-db-green-8rbusy Green	Available	Primary	MySQL Community	us-east-1b

Some green environment settings are different from blue environment settings

- The blue instance engine version is 8.0.35 and the green instance engine version is 8.0.37.

Connectivity & security Monitoring Logs & events Configuration Status Tags Recommendations

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VpcDetails | VPC Console

RDS | us-east-1

Environment overview - event...

Home | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-2phfhjfyas

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aws Services Search [Alt+S]

EC2 VPC EFS FSx S3 IAM CloudWatch CloudTrail AWS Config Route 53 RDS CloudFormation Elastic Beanstalk Amazon Redshift CloudFront

Elastic Beanstalk

Applications

Environments

Change history

▼ Application: venki-project2-elastic-beanstalk

Application versions

Saved configurations

▼ Environment: Venki-project2-elastic-beanstalk-env

Go to environment

Configuration

Events

Health

Logs

Monitoring

Elastic Beanstalk is launching your environment. This will take a few minutes.

Elastic Beanstalk

Environments

Venki-project2-elastic-beanstalk-env

Venki-project2-elastic-beanstalk-env

info

Actions

Upload and deploy

Environment overview

Health

Grey

Domain

Venki-project2-elastic-beanstalk-env.eba-s66u3pff.us-east-1.elasticbeanstalk.com

Environment ID

e-2phfhjfyas

Application name

venki-project2-elastic-beanstalk

Platform

Change version

Platform

PHP 8.2 running on 64bit Amazon Linux 2023/4.2.0

Running version

-

Platform state

Supported

Events

Health

Logs

Monitoring

Alarms

Managed updates

Tags

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1

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Search

ENG IN

07:14

22-06-2024

502 Bad Gateway

Search

ENG IN

07:14

22-06-2024

Project 2 - Website Orchestration

NatGateways | VPC Console

RDS | us-east-1

Environment overview - event

Instances | EC2 | us-east-1

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#NatGateways:

Services

Search

[Alt+S]

EC2

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DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

DNS firewall

Rule groups

Updated routes for rtb-09a687abba2c5db83 / venki-project2-vpc-rb-private3-us-east-1c successfully

Details

NAT gateways (1) Info

Find resources by attribute or tag

Actions

Create NAT gateway

Name	NAT gateway ID	Connectivity...	State	State message	Primary public I...	Prim
venki-project2-nat-g...	nat-0e1ede5edf1246aae	Public	Available	-	35.172.206.28	10.0

Select a NAT gateway

CloudShell

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Upload Employee Data

venki-project2-elastic-beanstalk-env.eba-s66u3pff.us-east-1.elasticbeanstalk.com

Upload Employee Data

Employee ID:

Name:

DOB:

dd-mm-yyyy

Department:

Submit

venki-project2-elastic-beanstalk-env.eba-s66u3pff.us-east-1.elasticbeanstalk.com

Upload Employee Data

Employee ID:

Name:

DOB:

dd-mm-yyyy

Department:

Submit

Data uploaded successfully.

Project 2 - We... | NatGateways | RDS | us-east-1 | Environment c... | Instances | EC2 | EC2 Instance C... | Connecting to... | Start Course | | |

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0ef34f591b46fcf23&osUser=ec2-user®ion=u...

aws Services Search [Alt+S]

EC2 VPC EFS FSx S3 IAM CloudWatch CloudTrail AWS Config Route 53 RDS CloudFormation Elastic Beanstalk Amazon Redshift CloudFront

5 rows in set (0.002 sec)

MySQL [(none)]> use employee;
Reading table information for completion of table and column names
You can turn off this feature with -A

Database changed

MySQL [employee]> show tables;

Tables_in_employee

employees

1 row in set (0.002 sec)

MySQL [employee]> select * from employees;

id | emp_id | name | dob | department |

1 | 1234 | venus | 2024-06-21 | ece |

2 | 1234 | venus | 2024-06-21 | ece |

3 | wce | cq | 2024-06-22 | qwd |

3 rows in set (0.001 sec)

MySQL [employee]>

i-0ef34f591b46fcf23 (ec2-public)
PublicIPs: 3.85.57.144 PrivateIPs: 10.0.7.202

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venki-project2-elastic-beanstalk-env.eba-s66u3pff.us-east-1.elasticbeanstalk.com

Upload Employee Data

Employee ID:
1234567890

Name:
venkatesh

DOB:
05-06-2024

Department:
aws

Submit

Data uploaded successfully.

Project 2 - We... | NatGateways | RDS | us-east-1 | Environment c... | Instances | EC2 | EC2 Instance C... | Connecting to X | Start Course |

https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0ef34f591b46fcf23&osUser=ec2-user®ion=u...

Services Search [Alt+S]

EC2 VPC EFS FSx S3 IAM CloudWatch CloudTrail AWS Config Route 53 RDS CloudFormation Elastic Beanstalk Amazon Redshift CloudFront

employees

1 row in set (0.002 sec)

MySQL [employee]> select * from employees;

id	emp_id	name	dob	department
1	1234	venus	2024-06-21	ece
2	1234	venus	2024-06-21	ece
3	wce	cq	2024-06-22	qwd

3 rows in set (0.001 sec)

MySQL [employee]> select * from employees;

id	emp_id	name	dob	department
1	1234	venus	2024-06-21	ece
2	1234	venus	2024-06-21	ece
3	wce	cq	2024-06-22	qwd
4	1234567890	venkatesh	2024-06-05	aws

4 rows in set (0.001 sec)

MySQL [employee]>

i-0ef34f591b46fcf23 (ec2-public)

PublicIPs: 3.85.57.144 PrivateIPs: 10.0.7.202

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